

PIFSC External Review 2013



Context

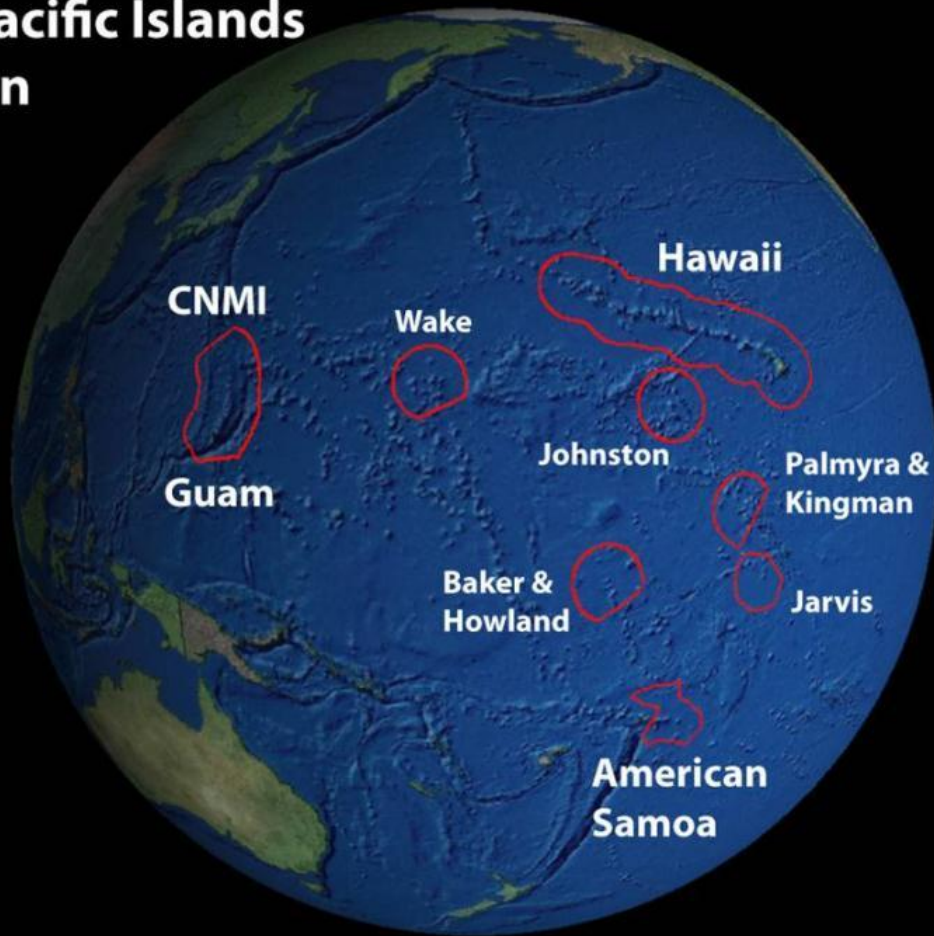
PIFSC Mission

**Provide timely, high-quality
applied scientific information
to support
the conservation and management of fisheries,
protected species, and marine habitats
in the central and western Pacific Ocean**



Vast Expanses, Many Cultures

The Pacific Islands Region



Key Mandates

- **Magnuson-Stevens Fishery Conservation and Management Act**
- Endangered Species Act
- Marine Mammal Protection Act
- Coral Reef Conservation Act
- **International agreements/Regional Fishery Management**
- U.S. government administrative and executive orders (e.g., marine national monuments)

Some Major Fishery Stakeholders & Partners

- NOAA Fisheries Pacific Islands Regional Office
 - Sustainable Fisheries Division
- Western Pacific Fishery Management Council
- State of Hawaii and Territorial fishery agencies (American Samoa, Guam, Northern Mariana Islands)
- University of Hawaii
 - Joint Institute for Marine and Atmospheric Research
 - Hawaii Institute of Marine Biology
- Hawaii Pacific University
- International Scientific Bodies
 - International Scientific Committee on Tuna ... (ISC)
 - WCPFC Scientific Committee
 - Pacific rim fishery research agencies (Japan, Taiwan, China, South Korea, SPC)
- Fishing & seafood industry, recreational ocean users, and conservation groups

Pacific Islands Fisheries Science Center

Science & Research

Directors' Office

OMI

Administration

(Acquisitions & Grants Office;
Facilities, Safety & Environmental
Compliance; Workforce
Management ; Cooperative
Institute (JIMAR) Coordination)

Information

Technology Services

(IT Security & Support)

Fisheries Research & Monitoring Division

Protected Species Division

Ecosystems & Oceanography Division

Coral Reefs Ecosystems Division

Socioeconomics Program

Scientific Information Services

(Publications, Library,
Graphics Support)

Budget & Planning

(Program Planning &
Formulation)

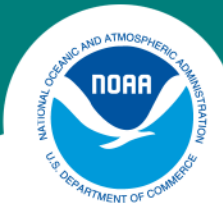
Scientific Operations

(NEPA, Monuments, Permits,
Vessel Coordination, Small Boats)

Public Affairs

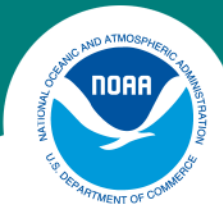
(Public Affairs, Outreach &
Education)

Operations & Management



Pacific Islands Fisheries Science Center FY-13 Budget Summary

Protected Species (Hawaiian monk seal, sea turtles, cetaceans):	\$ 5,597,979
Fisheries: (incl. fisheries research & monitoring, assessments, WPacFIN, life history (biosampling), ecology, Marine Monuments science, oceanography, socioeconomics, etc.)	\$ 10,885,155
Coral Reef Ecosystems: (including marine debris)	\$ 4,365,668
Center Operations: (Directors Office, Operations-Info-Management (OMI), & Science Operations)	\$ 7,548,793
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TOTAL (all sources)	\$ 28,397,595



PIFSC Staffing FY13

Division	Federal	Non-Fed	Total
Directors Office (including Socioeconomics, Scientific Information Services, Science Operations)	30	18	48
Operations, Management, and Information (OMI)	18	1	19
Fisheries Research & Monitoring Division	21	27	48
Protected Species Division	15	28	43
Ecosystems & Oceanography Division (including Coast/Ocean Watch)	5	4	9
Coral Reefs Ecosystems Division	6	56	62
Total	95	134	229

PIFSC Science Plan Overview

- Purpose
 - PIFSC strategic orientation
 - NMFS science enterprise approach
- Orientation
 - Mandate-driven
 - MSFCMA, ESA, MMPA
 - Themes
 - Monitor and Assess
 - Environment and Ecosystems
 - Maximizing Effectiveness
- Published March 2013
- Next Step: Implementation planning for FY14
 - Applying priorities to budgets

PIFSC External Reviews

- **2012** **Stakeholder Feedback** (no formal review)
- **2011** **Sea Turtle Research and Monitoring**
- **2010** **Data Management**
- **2009** **Pelagics Research**
- **2008** **Ecosystem Science**
- **2007** **Center's Science Program**

Center for Independent Experts and other External Independent Reviews

- Stock Assessment of Striped Marlin in the Western and Central North Pacific Ocean (January 2013)
- Status Review of 82 Corals (July 2012)
- Shark Predation Mitigation as a Tool for Conservation of the Hawaiian Monk Seal (December 2011)
- Bumphead Parrotfish Status Review (September 2011)
- Stock Assessment of Main Hawaiian Islands Bottomfish (October 2011)
- Stock Assessment of Yellowfin Tuna in the Western and Central Pacific Ocean (August 2010)
- Fisheries Oceanography Acoustics Applications in the Western Pacific (July 2010)
- Time-Area Closures In the Hawaii-Based Longline Swordfish Fishery (June 2010)
- North Pacific Swordfish Stock Assessment (April 2010)
- Stock Assessment of Hawaii Deep-slope Bottomfish (July 2009)
- Larval Transport and Connectivity (May 2008)
- Impacts of Potential Increases in Hawaii Shallow-set Longline Fishing Effort on Sea Turtle Populations (April 2008)
- Stock Assessment of Bigeye Tuna in the Western and Central Pacific Ocean (October 2007)
- Stock Assessment of Yellowfin Tuna in the Western and Central Pacific Ocean (October 2006)
- Status Review of Hawaii Insular False Killer Whales (September 2010)

2010 Data Management Practices Review

Review Panel:

- **Mark Fornwall (U.S. Geological Survey)**
- **Dave Colpo (Pacific States Marine Fisheries Commission)**
- **Ted Habermann (NOAA, National Geophysical Data Center)**
- **Jim Sargent (NOAA Fisheries)**
- **Steven Smith (University of Miami)**

2010 Data Management Practices Review

Overall Recommendations

- There is a need for stronger leadership for data and information management.
- Communication seemed to be an issue. There was confusion about roles and responsibilities and an apparent lack of cooperation
- The Center seems to have considerable expertise that could be leveraged.
- Collaboration should to be encouraged.

2010 Data Management Practices Review

Main Recommendation

- Establish the position of a chief data officer or CDO (Band 5) – This would be a management position responsible for defining and implementing the enterprise-wide data management framework

2010 Data Management Practices Review

Additional Main Recommendations

- PISFC should establish a data management working group for identifying existing expertise and facilitating convergence towards an enterprise data management approach
- *Recommendation:*
- The center needs to develop clear enterprise data management objectives, priorities and processes.

PIFSC External Review (2013)

Information for Fishery Stock Assessments

Objective

The objective for these reviews is to review and evaluate the Center's current scientific fishery-dependent and fishery-independent data as it relates to fishery stock assessments conducted pursuant to the Magnuson-Stevens Act:

- NOAA ship-based surveys
- Cooperative research surveys
- Logbook and observer data
- Data management and quality control

Part of a national approach by NOAA Fisheries,
including strategic planning



PIFSC External Review (2013)

- **Tuesday: Pelagic assessments and data**
- **Wednesday: Insular assessments and data**
- **Thursday: Coral reef assessments and data**

